

ABSTRACT OF THE DISCLOSURE

It is intended to provide an image forming apparatus and image forming method capable of obtaining a comparatively high-quality image output even under a correction mode that gives preference to processing time required for correction, and capable of suppressing interruption of image formation to the utmost under operational condition such that internal temperature changes continuously. There are saved last five detections of positional shift quantity under first correction mode that gives preference to correction accuracy for each temperature band. Under second correction mode that gives preference to processing time required for correction, there is calculated a difference of a value actually obtained through measurement and an average value of data history belonging to a target temperature band (#7 through #9). Furthermore, the difference is multiplied by a reliability coefficient of main scanning direction and that of sub scanning direction, respectively, to determine correction quantity (#10, #11). Thereby, excessive change of correction quantity is prevented.